

INCH-POUND

MIL-DTL-83502/5D
10 February 2004
SUPERSEDING
MIL-PRF-83502/5C
3 July 1997

DETAIL SPECIFICATION SHEET

SOCKETS PLUG-IN ELECTRONIC COMPONENTS, ROUND STYLE (R052)

This specification is approved for use by all
Departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the MIL-DTL-83502.

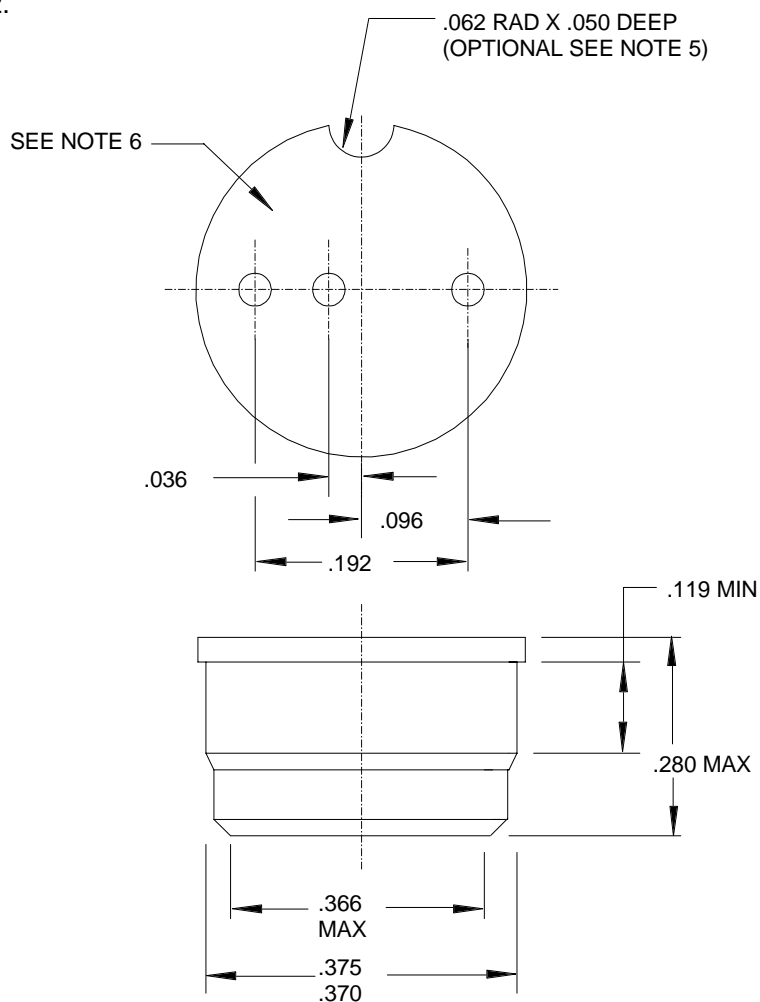
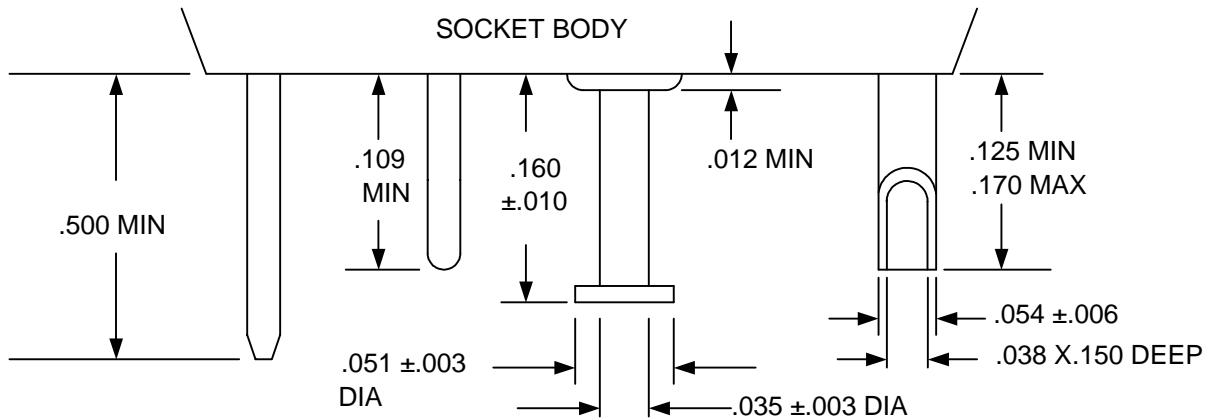


FIGURE 1. Dimensions and configurations.



TERMINATION STYLES, TYPE I, TYPE II, TYPE III, TYPE IV.

TERMINAL DIMENSION

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.003	0.08	.036	0.91	.096	2.44	.192	4.88
.006	0.15	.038	0.97	.109	2.77	.200	5.08
.010	0.25	.050	1.27	.119	3.02	.280	7.11
.012	0.30	.051	1.30	.125	3.18	.366	9.30
.015	0.38	.054	1.37	.140	3.56	.370	9.40
.017	0.43	.057	1.45	.150	3.81	.375	9.52
.025	0.64	.06	1.5	.160	4.06	.406	10.31
.035	0.89	.062	1.57	.170	4.32	.500	12.70

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is .005 (0.13 mm).
4. Device to accept leads: .016 to .020 inch (0.41 to 0.51 mm) diameter x .190 ±.030 inch (4.83 ±0.76 mm). Contact shall be made at or before reaching a depth of .100 inch (2.54 mm).
5. A visual polarization index to be provided.
6. All other marking shall be on the package.
7. Recommended mounting hole .366/.369 inch (9.30/9.37 mm).

FIGURE 1. Dimensions and configurations - Continued.

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TABLE I. Termination style.

Dash number	Termination style
-003	Wire wrapping post, type I
-011	Printed circuit, type II
-013	Turrent, type III
-015	Solder pocket, type IV

REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I

Termination styles: Type I, type II, type III, and type IV (see table I).

Mounting: See figure 1.

Temperature rating: +125°C.

Reference material: See MIL-DTL-83502.

Body: Shall be TFE-fluorocarbon rod in accordance with ASTM D1710.

Contact: Beryllium copper in accordance with ASTM B139, ASTM B194, ASTM B103, or C729000 spinodal alloy in accordance with ASTM B740.

Contact and sleeve finish: Gold over nickel in accordance with MIL-DTL-83502.

Terminal: Brass in accordance with ASTM B16.

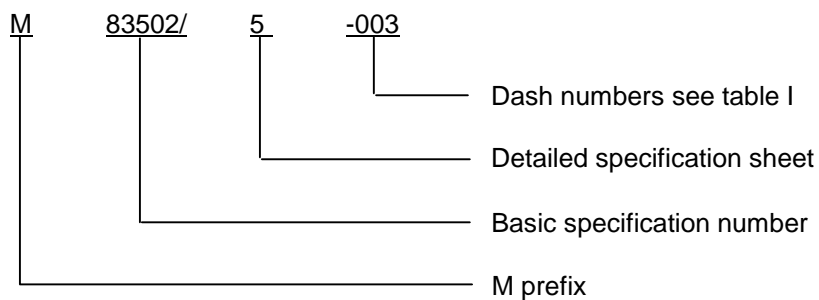
Mating force: 4.0 pounds (1.81 kg) maximum.

Retention force: 3.0 pounds (1.36 kg) minimum.

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Part or Identifying Number (PIN): The PIN shall consist of the M prefix letter, basic specification number, number of this specification sheet, and the dash number from table I.

Example:



Supersession data: See table II. TABLE II. Supersession data.

Old part number M83502	Superseded by M83502
/5-011	/2-010
/5-013	/2-011
/5-015	/2-012

The Government PIN, specified in table III, supersedes the following commercial PIN.

TABLE III. Supersession and cross reference data.

Active Government PIN	CAGE 91506	CAGE 00779
M83502/5-003	8058-43G1	TBD
M83502/5-011	8058-1G33	7-1437508-6
M83502/5-013	TBD	TBD
M83502/5-015	8058-1G18	TBD

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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Referenced documents. In addition to MIL-DTL-83505, this document references the following:

ASTM B16	ASTM B194
ASTM B103	ASTM B740
ASTM B139	ASTM D1710

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4578-004)

Review activities:

Army - AR, AT, AV, CR4, MI
Navy - AS, MC, SH
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <http://www.dodssp.daps.mil.daps.mil>.